

Application No. 09/720,933  
Paper dated August 1, 2005  
In response to USPTO correspondence of March 31, 2005  
Attorney Docket No. 4126-002201

**Amendments To The Claims:**

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

**Listing of Claims:**

Claims 1-34 (Canceled).

Claim 35. (Currently Amended) Bone material for the prevention and treatment of osteomyelitis, which material is provided with antimicrobial peptides (AMPs) consisting of peptides having an amino acid sequence selected from the group consisting of KRLFKKCLKFSLRKY (SEQ ID NO: 7), KRLFKKLLFSLRKY (SEQ ID NO: 8) and LLLFLLKKRKKRKY (SEQ ID NO: 9) ~~an amino acid chain which contains a domain of 10 to 25 amino acids, wherein the majority of the amino acids of the one half of the domain is positively charged amino acids and the majority of the amino acids of the other half of the domain is uncharged amino acids, which,~~ wherein said AMPs can be released to the surrounding area for a period of time and wherein the bone material forms bone cement after curing and the AMPs are distributed homogeneously in the cured bone cement.

Claims 36-63 (Canceled)

Claim 64. (Currently Amended) The bone material as claimed in claim 35, wherein the N-terminus of the amino acid sequence is amidated.

Claim 65. (Previously Presented) The bone material as claimed in claim 35, wherein the C-terminal carboxylic acid group is replaced by an amide, ester, ketone, aldehyde or alcohol group.

Application No. 09/720,933  
Paper dated August 1, 2005  
In response to USPTO correspondence of March 31, 2005  
Attorney Docket No. 4126-002201

Claim 66. (Currently Amended) ~~The~~A method of manufacturing bone material as claimed in claim 35, wherein the bone material is cured to bone cement and wherein the AMPs are distributed homogeneously in the cured bone cement.

Claim 67. (Previously Presented) The method as claimed in claim 66, wherein the AMPs are dissolved in liquid medium, preferably water, and mixed with the bone material after curing thereof.

Claim 68. (Previously Presented) The method as claimed in claim 66, wherein the cured bone cement is formed to a granulate.